



Policy Title :

ISSUE OF BLOOD AND BLOOD COMPONENTS FOR TRANSFUSION

Department	Index No.	Scope
Laboratory & Blood Bank	LAB-77	All Blood Bank Staff
Issue Date	Revision NO	Effective Date
1432/11/15	2	1440/07/23
Review Due Date	Related Standard NO.	Page Number#
1442/07/23	CBAHI (LB. 67)	6

01. Policy:

The blood bank has a process for the issue of blood/blood components for transfusion

02. Definition :

- 02.1. **Compatibility Label/tag:** tag or label attached to a blood component or product that has been designated for a specific recipient, specifying information that identifies the blood component or blood product for that recipient.
- 02.2. **Issue:** the release of blood components and blood products from the blood bank department
- 02.3. **Request Form:** a request for preparation or transfusion of a blood component or blood product generated in response to a transfusion order written by a licensed physician or physician delegate.

03. Purpose :

- 03.1. To ensure safe transfusion practices in the issuing of blood components and blood products from the blood bank department.

04. Procedure :

- 04.1. The blood bank technician reviews the request (written or computer generated) for blood components and/or blood products and verifies if it includes the following:

- 04.1.1. Recipient's name
- 04.1.2. Recipient's identification number
- 04.1.3. The diagnosis and the clinical indication
- 04.1.4. The Hemoglobin level or the platelet count.

- 04.1.5. The type of blood component or blood product being requested
 - 04.1.6. Dosage or volume required
 - 04.1.7. Date and time of the request
 - 04.1.8. Date and time of intended transfusion, if available
 - 04.1.9. Special requirements
 - 04.1.10. Recipient's location.
 - 04.1.11. Doctor's name, signature and stamp, and nurse name, signature and stamp.
- 04.2. **The blood bank technician** reviews the recipient's transfusion history to confirm that the date of collection and the date of the transfusion/infusion are within the acceptable time period, and to check recipient's ABO/Rh group and the phenotype (if necessary) to determine the compatible component to issue.
- 04.3. Ensure the date of the pre-transfusion sample is within an acceptable time frame Specimens for compatibility testing shall be collected within 72 hours prior to transfusion from a recipient
- Note:** If red cells are requested after the 72 hours a new specimen must be collected and a type and screen performed on the new specimen.
- 04.4. **The blood bank technician** retrieves the correct quantity and type of blood component or product from the appropriate storage area using the information on the request.
- 04.5. The blood bank technician checks the expiry date of the blood component or blood product and issue the oldest unit or product first.
- 04.6. If the blood component has been modified (i.e. washed, pooled or irradiated) check that the modified label is attached to the unit
- 04.7. Perform and document visual inspection of the blood component or blood product.
- Note:** If the blood component or blood product does not pass visual inspection it must not be issued.
- 04.8. **The blood bank technician** checks the information on the compatibility label/tag against the information on the blood component or blood product and the recipient's identification on the request.
- 04.9. **The blood bank technician** attaches a compatibility label/tag sticker securely (above the blood bag sticker label) to all blood components and blood products issued and makes sure that the labels are integrally well attached to the blood bag.
- 04.9.1. The following information shall be present on the compatibility test request for blood

components and also in the crossmatch delivery log book or platelets and plasma delivery log book

- 04.9.1.1. Recipient's name and identification number and location
- 04.9.1.2. Recipient's ABO group
- 04.9.1.3. Recipient's Rh
- 04.9.1.4. Recipient's compatibility status (for red cells)
- 04.9.1.5. Lot/unique blood product identification number
- 04.9.1.6. ABO/ Rh group of the blood component
- 04.9.1.7. The expiry dates
- 04.9.1.8. The mention that the serology is negative
- 04.9.1.9. The signature of the technician performing the crossmatch, date and time.
- 04.9.1.10. Identity of the person receiving and transporting the blood component to the recipient's location.
- 04.9.1.11. The visual inspection: pass or not

04.9.2. The following information shall be on the compatibility label/tag (sticker) for blood products:

- 04.9.2.1. Recipient's name and identification number and location
- 04.9.2.2. Lot/unique blood product identification number
- 04.9.2.3. ABO/ Rh group of the blood component
- 04.9.2.4. Type of blood product
- 04.9.2.5. Volume/unit of dosage
- 04.9.2.6. Date and time off issue.

Note: The donor ABO/Rh is identical or marked compatible with the recipient and all discrepancies must be resolved prior to issuing blood components or blood product.

- 04.10. **The blood bank technician** returns the original of the request with blood component or blood product to recipient's location with the person receiving and transporting the blood and keeps a copy in the blood bank department.
- 04.11. Blood components and blood products are only issued immediately prior to the transfusion in order to maintain proper storage conditions.
- 04.12. The blood bank technician issues only **one unit of red cells at a time**. Multiple units may be issued to a single

patient if they are rapidly bleeding.

04.13. Proper documentation

For each blood component issued, a record system is in place (the crossmatch delivery log book and the platelets and plasma delivery log book) which documents:

- Recipient's name and identification number and location
- Recipient's ABO group
- Recipients Rh group
- Identification number and name of blood component
- ABO group of the blood component
- Rh group of the blood component
- Compatibility verification for red cells
- Expiry date
- The serology status: the mention of serology non-reactive
- Visual inspection
- Date and time of issue
- Identity of the person issuing the blood component
- Identity of the person receiving and transporting the blood component to the recipient's location.

04. Responsibilities :

- 04.1. All Laboratory and Blood Bank Staff of Al-Qunfudah General Hospital.
- 04.2. All nursing staff of Al-Qunfudah General Hospital

06. Equipment & Forms

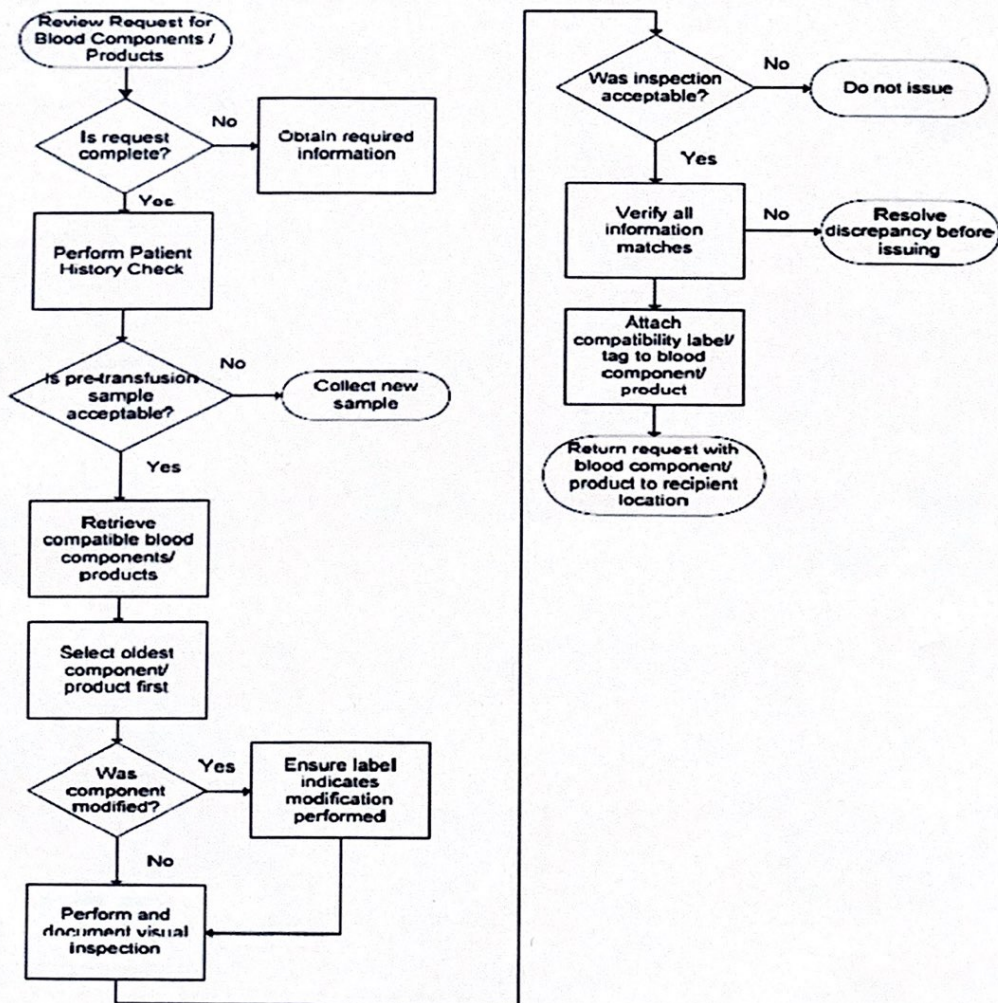
- 06.1. The crossmatch delivery log book and the platelets and plasma delivery log book
- 06.2. Label sticker

07. Attachment :

BLOOD LABEL FOR PRBCs

PRBCs- Unit No:	Blood group
Patient name	File number:
Department	COMPATIBLE

FLOW CHART FOR THE ISSUE OF BLOOD AND BLOOD COMPONENTS





وزارة الصحة

Ministry of Health

مستشفى القنفذة العام

08. Reference

- 08.1. AABB technical manual 18th edition, 2016
08.2. The unified practical manual for Blood Banks in the Arab countries, 2013

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